

1 3. (Once Amended) A nonvolatile storage system comprising:
2 a host for sending commands;
3 a controller coupled to said host for receiving host commands; and
4 nonvolatile storage coupled to said controller for storing sector information organized into
5 blocks, each block having two or more sectors for storing sector information,
6 wherein said controller receives a command from said host for writing updated one or
7 more, but not all, sector information into a location within the nonvolatile storage defined
8 by a particular block having previously-written sector information, other than that being
9 updated by the host command, and wherein said controller writes said updated one or
10 more sector information into a new block thereby avoiding moving all the previously-
11 written sector information every time the host sends a command.

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1 4. (Once Amended) A nonvolatile storage system as recited in claim 3 wherein the
2 controller further receives additional commands from the host for further writing, one or more
3 times, sector information without moving the previously-written sector information every time
4 sector information is updated.

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1 5. (Once Amended) A nonvolatile storage system as recited in claim 3 wherein the
2 previously-written sector information is moved from the particular block at a time later than
3 when the controller writes said updated one or more sector information to said new block.

1 8. (Once Amended) A nonvolatile storage system as recited in claim 5 wherein the
2 particular block is erased at a time later than when the previously-written sector
3 information is moved from the particular block.

1 9. (Once Amended) A nonvolatile storage system comprising:
2 a host for sending commands;
3 a controller coupled to said host for receiving host commands; and

4 nonvolatile storage coupled to said controller for storing sector information
5 organized into blocks, each block having two or more sectors for storing sector
6 information,

7 wherein said controller receives a command from said host for writing updated one
8 or more, but not all, sector information into a location within the nonvolatile storage
9 defined by a particular block having previously-written sector information, other than that
10 being updated by the host command, and wherein said controller writes said updated one
11 or more sector information to a new block thereby avoiding moving all the previously-
12 written sector information every time the host sends a write command.

1 8. (Once Amended) A nonvolatile storage system as recited in claim 7 wherein the
2 controller further receives additional commands from the host for further writing, one or more
3 times, sector information without moving the previously-written sector information every time
4 sector information is updated.

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1 9. (Once Amended) A nonvolatile storage system as recited in claim 7 wherein the
2 previously-written sector information is moved from the particular block at a time later than
3 when the controller writes said updated one or more sector information to said new block.

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1 10. (Once Amended) A nonvolatile storage system as recited in claim 9 wherein the
2 particular block is erased at a time later than when the previously-written sector information is
3 moved from the particular block.

1 11. (Once Amended) A method of updating information in nonvolatile storage having a
2 controller coupled to a host and the nonvolatile storage comprising:

3 receiving a command from the host for updating one or more, but not all, sector
4 information into a location within the nonvolatile storage defined by a particular block having
5 previously-written sector information other than that being updated by the host command;
6 selecting a new block within the nonvolatile storage; and

7 writing said updated one or more sector information to said new block without moving
8 the previously-written sector information.

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1 12. (Once Amended) A method of updating information as recited in claim 11 further
2 including the step of receiving further commands from the host for further updating, one or
3 more times, sector information wherein the previously-written sector information is not
4 moved every time sector information is updated.

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1 13. (Once Amended) A method of updating information as recited in claim 11 further
2 including the step of moving the previously-written sector information from the particular
3 block at a time later than said writing step.

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1 14. (Once Amended) A method of updating information as recited in claim 13 further
2 including erasing the particular block at a time later than said moving step.

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5 Please add the following claim:

1 15. A nonvolatile storage system comprising:
2 a controller capable of receiving commands from a host; and
3 a nonvolatile memory storage, coupled to said controller, said storage organized into
4 blocks, each block having two or more sectors for storing sector information,
5 wherein said controller, in response to receiving a first write command from the host to
6 rewrite a first sector information defined by one or more, but not all, sectors of information
7 that are stored in a particular block, writes said first sector information to a new block without
8 moving sector information previously-stored in the sectors of said particular block and not
9 specified by the host in the command to be rewritten, said controller, in response to receiving
10 a second write command from the host to rewrite a second sector information defined by
11 sector information within the particular block that is other than the particular sector
12 information, rewrites the second sector information into the particular block without moving

13 the first sector information and thereby preventing moving sector information every time a
14 write command is received from the host.

REMARKS

Claims 2-14 are amended as recited hereinabove. Claim 15 is added to the subject application and is believed patentable for various reasons some of which are stated below with reference to claims 2-14.

A terminal disclaimer is being submitted herewith to overcome the nonstatutory double patenting rejections raised on page 3 of the office action.

Claims 3-11 have been rejected under 35 U.S.C. 112, second paragraph, as being indefinite. These claims are amended as recited hereinabove to more clearly specify that the "previous sector information" be other than the sector information subject to the command from the host. All dependent claims are also thus free from deficiencies in this respect.

On page 5 of the office action, it is indicated that claims 3-4, 7-8, and 11-13 have been rejected under 35 U.S.C. 102(b) as being anticipated by Assar et al. U.S. Patent No. 5,479,638 (the "'638 Patent"). It is believed that claims 3-4, 7-8 and 11-13, as amended, are patentable over the '638 Patent because, inter alia, the latter does not anticipate each "block having two or more sectors" and the "host for writing updated one or more, but not all, sector information" (emphasis added), as does the claimed invention.

On page 5 of the office action, it is further indicated that claims 2-14 have been rejected under 35 U.S.C. 102(e) as being anticipated by Hasbun et al., U.S. Patent No. 5,586,285 (the "'285 Patent"). It is believed that claims 2-14, as amended, are patentable over the '285 Patent. After a review of the '285 Patent, it is not clear where the latter discloses blocks. Specifically, the latter does not anticipate "each block having two or more sectors ...", as recited in the amended claims hereinabove. Furthermore, the latter does not anticipate writing "one or more, but not all," sectors of a particular block without moving the remaining sectors that are not being updated or rewritten, as does the claimed invention.